

WE CLAIM:

1. (Previously Presented) A control unit for an electric motor of an actuator, the control unit comprising:

a controller;

a capacitive energy storage device chargeable by a supply network to supply power to the electric motor in the event of a power failure, the capacitive energy storage device having a charge voltage;

a temperature sensor assigned to the control unit to measure an ambient temperature; and

a charge converter configured to convert the measured ambient temperature into a control signal to control the charge voltage of the capacitive energy storage device as a function of the measured ambient temperature.

2. (Previously Presented) The control unit according to Claim 1, wherein an operational voltage for the capacitive energy storage device is controlled by the charge converter as a function of the measured ambient temperature to an approximately constant value.

3. (Currently Amended) The control unit according to Claim 1 or 2, wherein the capacitive energy storage device is continuously acted upon by the operational voltage.

4. (Previously Presented) The control unit according to Claim 1, wherein the temperature sensor is integrated in the controller of the control unit.

5. (Previously Presented) The control unit according to Claim 1, wherein the capacitive energy storage device is acted upon by electric energy from an electric motor circuit.